Available online at www.sciencedirect.com
SCIENCE DIRECT®
Chemical Physics Letters 414 (2005) 529–538
CHEMICAL PHYSICS LETTERS
www.elsevier.com/locate/cplett

Author Index to Volume 414

Achenbach, F., see Lupton, E.M. 414 (2005) 132
Addepalli, S., see Morales, J.A. 414 (2005) 405
Afre, R.A., T. Soga, T. Jimbo, M. Kumar, Y. Ando and M. Sharon, Growth of vertically aligned carbon nanotubes on silicon and quartz substrate by spray pyrolysis of a natural precursor: Turpentine oil 414 (2005) 6
Ågren, H., see Jansík, B. 414 (2005) 461
Al-Betar, A., see El-Rayyes, A.A. 414 (2005) 287
Allison, S., see Whitfield, T.W. 414 (2005) 210
Alonso, J.L., see Sanchez, R. 414 (2005) 226
Alvaro, M., C. Aprile, M. Benitez, J.L. Bourdelande, H. Garcia and J.R. Herance, Second harmonic generation of a periodic mesoporous silica containing a triphenylpyrylium moiety 414 (2005) 66
Andersen, J.N., see Gladys, M.J. 414 (2005) 311
Ando, Y., see Afre, R.A. 414 (2005) 6
Apatin, V.M., V.O. Kompanets, V.B. Laptev, Yu.A. Matveets, E.A. Ryabov, S.V. Chekalin and V.S. Letokhov, Decomposition of CF_2HCl molecules by femtosecond laser radiation 414 (2005) 76
Aprile, C., see Alvaro, M. 414 (2005) 66
Arai, S., M. Togashi, M. Shiozawa, Y. Inoue and M. Sakurai, Molecular dynamics simulation of the M intermediate of photoactive yellow protein in the crystalline state 414 (2005) 230
Archibong, E.F., M. Kandawa-Schulz and E.N. Mvula, Electron detachment energies of Al_4P^- and Ga_4P^- 414 (2005) 341
Ardavan, A., see Leigh, D.F. 414 (2005) 307
Arun Prasad, M. and M.V. Sangaranarayanan, Evidence for the formation of radical anion in the reductive cleavage of carbon–bromine bond in 4′-bromomethylbiphenyl-2-carbonitrile 414 (2005) 55
Asayama, R., J. Kawamura and T. Hattori, Phase transition and ionic transport mechanism of $(C_4H_9)_4NI$ 414 (2005) 87
Auch, M.D.J., see Vijila, C. 414 (2005) 393
Auerbach, D.J., see Wodtke, A.M. 414 (2005) 138
Aydil, E.S., see Bakos, T. 414 (2005) 61

Bakos, T., M. Valipa, E.S. Aydil and D. Maroudas, Temperature dependence of precursor–surface interactions in plasma deposition of silicon thin films 414 (2005) 61
Balakrisnan, B., see Vijila, C. 414 (2005) 393
Banasiewicz, M., O. Morawski, D. Wiącek and B. Kozankiewicz, Triplet population and depopulation rates of single terrylene molecules in *p*-terphenyl crystal 414 (2005) 374
Bandow, S., see Iijima, M. 414 (2005) 520
Bates, S.P., see Whitfield, T.W. 414 (2005) 210
Becker, J.S. and S. Saxena, Double quantum coherence electron spin resonance on coupled Cu(II)–Cu(II) electron spins 414 (2005) 248
Belytschko, T., see Paci, J.T. 414 (2005) 351
Bendazzoli, G.L., A. Monari, G. Figari, M. Rui, C. Costa and V. Magnasco, Frozen-core full-CI calculation of imaginary frequency-dependent dipole polarizabilities of ground state BeH_2 and the C_6 dispersion coefficients of its homodimer 414 (2005) 51

doi:10.1016/S0009-2614(05)01404-1

Benitez, M., see Alvaro, M. 414 (2005) 66
Bernath, P.F., see Zobov, N.F. 414 (2005) 193
Bertran, E., see Gordiets, B.F. 414 (2005) 423
Biswas, P.K., see Kundu, S. 414 (2005) 107
Bourdelande, J.L., see Alvaro, M. 414 (2005) 66
Bräuchle, C., see Lupton, E.M. 414 (2005) 132
Briggs, G.A.D., see Leigh, D.F. 414 (2005) 307
Bukowski, R., R. Podeszwa and K. Szalewicz, Efficient calculation of coupled Kohn–Sham dynamic susceptibility functions and dispersion energies with density fitting 414 (2005) 111
Burrows, H.D., see Fonseca, S.M. 414 (2005) 98

Cai, Y.H., see Huang, H.G. 414 (2005) 143
Caminati, W., see Sanchez, R. 414 (2005) 226
Caminiti, R., see Caracciolo, G. 414 (2005) 456
Campos-Martínez, J., see Hernández-Lamoneda, R. 414 (2005) 11
Capitelli, M., see Kosarim, A.V. 414 (2005) 215
Caracciolo, G., M. Petruccetti and R. Caminiti, A new experimental setup for the study of lipid hydration by energy dispersive X-ray diffraction 414 (2005) 456
Carleer, M., see Zobov, N.F. 414 (2005) 193
Castiglioni, C., see Tommasini, M. 414 (2005) 166
Celiberto, R., see Kosarim, A.V. 414 (2005) 215
Chaudhuri, S., see Kar, S. 414 (2005) 40
Chekalin, S.V., see Apatin, V.M. 414 (2005) 76
Chen, Z.-K., see Vijila, C. 414 (2005) 393
Choi, H.J., see Park, B.J. 414 (2005) 525
Chua, S.J., see Vijila, C. 414 (2005) 393
Coheur, P.-F., see Zobov, N.F. 414 (2005) 193
Colin, R., see Zobov, N.F. 414 (2005) 193
Cong, S.-L., see Yuan, K.-J. 414 (2005) 180
Corat, E.J., see Diniz, A.V. 414 (2005) 412
Costa, C., see Bendazzoli, G.L. 414 (2005) 51
Crain, J., see Whitfield, T.W. 414 (2005) 210
Cricenti, A., see Pizzoferrato, R. 414 (2005) 234
Csik, I., S.P. Russo and P. Mulvaney, Density functional study of non-polar surfaces of wurtzite CdSe 414 (2005) 322

Dahiya, P., M. Kumbhakar, T. Mukherjee and H. Pal, Effect of protic solvents on twisted intramolecular charge transfer state formation in coumarin-152 and coumarin-481 dyes 414 (2005) 148
Daudey, J.-P., see Raynaud, C. 414 (2005) 161
Dehesa, J.S., see Romera, E. 414 (2005) 468
Dennis, T.J.S., see Leigh, D.F. 414 (2005) 307
Dey, J., see Roy, S. 414 (2005) 23
Di Donato, E., see Tommasini, M. 414 (2005) 166
Didriche, K., see Herman, M. 414 (2005) 282
Ding, K., see Liao, B. 414 (2005) 296
Diniz, A.V., V.J. Trava-Airoldi, E.J. Corat and N.G. Ferreira, Micro and nanocrystalline diamond formation on reticulated vitreous carbon substrate 414 (2005) 412
Dresselhaus, M.S., see Muramatsu, H. 414 (2005) 444
Dziarzhytski, S., see Riedel, J. 414 (2005) 473

El-Rayyes, A.A., A. Al-Betar, T. Htun and U.K.A. Klein, Fluorescence emission from rhodamine-B lactone adsorbed at solid catalysts 414 (2005) 287
Endo, M., see Muramatsu, H. 414 (2005) 444
Endo, Y., see Sumiyoshi, Y. 414 (2005) 82
Engel, V., see Gräfe, S. 414 (2005) 17
Eriksson, L.A., see Scherbak, N. 414 (2005) 243
Esteves, P.M., see Raynaud, C. 414 (2005) 161
Eykyn, T.R., see Oregioni, A. 414 (2005) 102

Fang, R., Z.-Y. Geng, Y.-C. Wang, C.-Y. Zhao, L.-Z. Yang and X.-H. Zhang, Theoretical study of the insertion reaction of CH_3O–H by singlet alkylidenecarbenes 414 (2005) 174
Farrugia, L.J., Is there a Co–Co bond path in $Co_2(CO)_6(\mu\text{-}CO)(\mu\text{-}C_4H_2O_2)$? 414 (2005) 122
Ferreira, N.G., see Diniz, A.V. 414 (2005) 412
Figari, G., see Bendazzoli, G.L. 414 (2005) 51
Fisher, M.E., see Kim, Y.C. 414 (2005) 185
Fonseca, S.M., H.D. Burrows, C.M. Nunes, T.M.V.D. Pinho e Melo and A.M.d'A. Rocha Gonsalves, On the photophysical behaviour of 4-halo-5-phenylisoxazoles 414 (2005) 98
Fortner, A., see Ray, P.C. 414 (2005) 259
Frank, I., see Lupton, E.M. 414 (2005) 132
Freiberg, A., see Timpmann, K. 414 (2005) 359
Fujimoto, K., J.-y. Hasegawa, S. Hayashi, S. Kato and H. Nakatsuji, Mechanism of color tuning in retinal protein: SAC-CI and QM/MM study 414 (2005) 239
Fukuda, S.-i., see Konno, T. 414 (2005) 331
Furukawa, Y., K. Hoshina, K. Yamanouchi and H. Nakano, Ejection of triatomic hydrogen molecular ion from methanol in intense laser fields 414 (2005) 117

Gao, Z., see Song, W. 414 (2005) 429
Garcia, H., see Alvaro, M. 414 (2005) 66
Gayathri, S.S. and A. Patnaik, A new fullerene C_{60}–didodecyloxy benzene dyad: An evidence for ground state electron transfer 414 (2005) 198
Geng, Z.-Y., see Fang, R. 414 (2005) 174
Gladys, M.J., A. Mikkelsen, J.N. Andersen and G. Held, Water adsorption on O-covered Ru{0 0 0 1}: Coverage-dependent change from dissociation to molecular adsorption 414 (2005) 311
Glaser, S.J., see Kehlet, C. 414 (2005) 204
Gómez, R., see Lana-Villarreal, T. 414 (2005) 489
Gordiets, B.F. and E. Bertran, Kinetic model for generation and growth of plasma dust nanoparticles 414 (2005) 423
Gräfe, S. and V. Engel, On the control of resonant versus non-resonant electronic transitions in molecular photodissociation 414 (2005) 17
Griffin, J., see Ray, P.C. 414 (2005) 259
Guo, W., see Zhao, L. 414 (2005) 28

Halleman, C.D., see Rinker, A. 414 (2005) 505
Hania, P.R. and I.G. Scheblykin, Electric field induced quenching of the fluorescence of a conjugated polymer probed at the single molecule level 414 (2005) 127
Hasegawa, J.-y., see Fujimoto, K. 414 (2005) 239
Hattori, T., see Asayama, R. 414 (2005) 87
Havenith, R.W.A., Coupled valence bond theory 414 (2005) 1
Hayashi, M., see Nagaya, K. 414 (2005) 438
Hayashi, S., see Fujimoto, K. 414 (2005) 239
Hayashi, T., see Muramatsu, H. 414 (2005) 444
Held, G., see Gladys, M.J. 414 (2005) 311
Herance, J.R., see Alvaro, M. 414 (2005) 66
Herman, M., K. Didriche, A. Rizopoulos and D. Hurtmans, FT-jet spectroscopy: Vibrational energy transfer in N_2O 414 (2005) 282
Hernández, M.I., see Hernández-Lamoneda, R. 414 (2005) 11
Hernández-Lamoneda, R., M.I. Hernández and J. Campos-Martínez, The intermolecular potential of O_2–O_2 in its quintet state: An ab initio study 414 (2005) 11
Hidemori, T., see Kawai, A. 414 (2005) 378
Hoshina, K., see Furukawa, Y. 414 (2005) 117
Hosny, N., see Oregioni, A. 414 (2005) 102
Htun, T., see El-Rayyes, A.A. 414 (2005) 287
Huang, C., see Vijila, C. 414 (2005) 393
Huang, H.G., J.Y. Huang, Y.H. Cai and G.Q. Xu, Vibrational studies of the reactions of acetophenone with Si(1 0 0)–2 × 1 414 (2005) 143
Huang, J., C. Li and W.B. Tzeng, Mass analyzed threshold ionization spectroscopy of *p*-methylanisole cation and the substitution effect 414 (2005) 276

Huang, J.Y., see Huang, H.G. 414 (2005) 143
Hunter, C.N., see Timpmann, K. 414 (2005) 359
Hurtmans, D., see Herman, M. 414 (2005) 282

Iachello, F., see Pérez-Bernal, F. 414 (2005) 398
Iijima, M., T. Watabe, S. Ishii, A. Koshio, T. Yamaguchi, S. Bandow, S. Iijima, K. Suzuki and Y. Maruyama, Fabrication and STM-characterization of novel hybrid materials of DNA/carbon nanotube 414 (2005) 520
Iijima, S., see Iijima, M. 414 (2005) 520
Inoue, Y., see Arai, S. 414 (2005) 230
Ishii, S., see Iijima, M. 414 (2005) 520
Isomura, A., see Kohira, M.I. 414 (2005) 389
Izsák, F., see Ripszám, M. 414 (2005) 384

Jansík, B., A. Rizzo and H. Ågren, Response theory calculations of two-photon circular dichroism 414 (2005) 461
Jiang, M.-H., see Ren, Y. 414 (2005) 253
Jimbo, T., see Afre, R.A. 414 (2005) 6
Jolibois, F., see Raynaud, C. 414 (2005) 161

Kály-Kullai, K., L. Roszol and A. Volford, Chemical lens 414 (2005) 326
Kanai, K., see Nishi, T. 414 (2005) 479
Kandawa-Schulz, M., see Archibong, E.F. 414 (2005) 341
Kar, S. and S. Chaudhuri, Synthesis and optical properties of single and bicrystalline ZnS nanoribbons 414 (2005) 40
Karthikeyan, B., J. Thomas and R. Philip, Optical nonlinearity in glass-embedded silver nanoclusters under ultrafast laser excitation 414 (2005) 346
Kato, S., see Fujimoto, K. 414 (2005) 239
Katoh, K., see Sumiyoshi, Y. 414 (2005) 82
Kawai, A., T. Hidemori and K. Shibuya, Solvation of α-hydroxydiphenylmethyl radical in room temperature ionic liquids studied by transient FT-EPR spectroscopy 414 (2005) 378
Kawamura, J., see Asayama, R. 414 (2005) 87
Kawashima, Y., Y. Sugita, T. Yoda and Y. Okamoto, Effects of the fixed end in single-molecule imaging techniques: A replica-exchange molecular dynamics simulation study 414 (2005) 449
Kehlet, C., T. Vosegaard, N. Khaneja, S.J. Glaser and N.C. Nielsen, Low-power homonuclear dipolar recoupling in solid-state NMR developed using optimal control theory 414 (2005) 204
Khaneja, N., see Kehlet, C. 414 (2005) 204
Kim, C.K., see Ray, P.C. 414 (2005) 259
Kim, Y.A., see Muramatsu, H. 414 (2005) 444
Kim, Y.C. and M.E. Fisher, Singular coexistence-curve diameters: Experiments and simulations 414 (2005) 185
Kim, Y.J., see Muramatsu, H. 414 (2005) 444
Klein, U.K.A., see El-Rayyes, A.A. 414 (2005) 287
Kohira, M.I., A. Isomura, N. Magome, S. Mukai and K. Yoshikawa, Optical levitation of a droplet under a linear increase in gravitational acceleration 414 (2005) 389
Kompanets, V.O., see Apatin, V.M. 414 (2005) 76
Konno, T., S.-i. Fukuda and Y. Ozaki, Infrared spectroscopy of Kr–$^{12}C^{18}O_2$: Change in the CO_2 intramolecular potential by complex formation and isotope effect on the vibrationally averaged intermolecular geometry 414 (2005) 331
Kosarim, A.V., B.M. Smirnov, M. Capitelli, R. Celiberto, G. Petrella and A. Laricchiuta, Ionization of excited nitrogen molecules by electron impact 414 (2005) 215
Koshio, A., see Iijima, M. 414 (2005) 520
Kozankiewicz, B., see Banasiewicz, M. 414 (2005) 374
Kuczmann, A., see Riedel, J. 414 (2005) 473
Kudelski, A., Raman studies of rhodamine 6G and crystal violet sub-monolayers on electrochemically roughened silver substrates: Do dye molecules adsorb preferentially on highly SERS-active sites? 414 (2005) 271
Kumar, M., see Afre, R.A. 414 (2005) 6
Kumbhakar, M., see Dahiya, P. 414 (2005) 148
Kundu, S. and P.K. Biswas, Synthesis and photoluminescence property of nanostructured sol–gel indium tin oxide film on glass 414 (2005) 107

Kuwahara, D., H. Okamoto and Y. Yamazaki, Feasibility of the overtone NMR for half-integer quadrupolar nuclei 414 (2005) 514

Lagzi, I., see Ripszám, M. 414 (2005) 384
Lana-Villarreal, T. and R. Gómez, Tuning the photoelectrochemistry of nanoporous anatase electrodes by modification with gold nanoparticles: Development of cathodic photocurrents 414 (2005) 489
Laptev, V.B., see Apatin, V.M. 414 (2005) 76
Laraque, J., see Morales, J.A. 414 (2005) 405
Laricchiuta, A., see Kosarim, A.V. 414 (2005) 215
Leach, M.O., see Oregioni, A. 414 (2005) 102
Lee, I.S., see Park, B.J. 414 (2005) 525
Lee, S.M., see Leigh, D.F. 414 (2005) 307
Leigh, D.F., J.H.G. Owen, S.M. Lee, K. Porfyrakis, A. Ardavan, T.J.S. Dennis, D.G. Pettifor and G.A.D. Briggs, Distinguishing two isomers of Nd@C_{82} by scanning tunneling microscopy and density functional theory 414 (2005) 307
Leszczynski, J., see Shukla, M.K. 414 (2005) 92
Letokhov, V.S., see Apatin, V.M. 414 (2005) 76
Li, C., see Huang, J. 414 (2005) 276
Li, T.-L. and J.-H. Ting, Reaction-diffusion mechanisms for the chemical shrink process of nanofabrication 414 (2005) 292
Li, X.-Y., see Lu, S.-Z. 414 (2005) 71
Liao, B., M. Tan and K. Ding, Application of 2-D graphical representation of DNA sequence 414 (2005) 296
Lin, S.H., see Nagaya, K. 414 (2005) 438
Liu, W., see Lu, S.-Z. 414 (2005) 71
Liu, Y., see Xu, H. 414 (2005) 369
Lockwood, D.J., see Wloka, J. 414 (2005) 47
López, J.C., see Sanchez, R. 414 (2005) 226
Lu, J., see Song, W. 414 (2005) 429
Lu, S.-Z., X.-Y. Li and W. Liu, Electronic coupling matrix elements of U-shaped donor-bridge-acceptor molecules and influence of mediated benzene solvent 414 (2005) 71
Lu, X., see Zhao, L. 414 (2005) 28
Lupton, E.M., C. Nonnenberg, I. Frank, F. Achenbach, J. Weis and C. Bräuchle, Stretching siloxanes: An ab initio molecular dynamics study 414 (2005) 132

Ma, L., J. Wang, J. Zhao and G. Wang, Chemisorption of Co monolayer on H-passivated Si(1 1 1) surface: Comparison with clean Si(1 1 1) surface 414 (2005) 500
Machado, F.B.C., see Pelegrini, M. 414 (2005) 495
Maeda, S., Y. Watanabe and K. Ohno, A scaled hypersphere interpolation technique for efficient construction of multidimensional potential energy surfaces 414 (2005) 265
Magnasco, V., see Bendazzoli, G.L. 414 (2005) 51
Magome, N., see Kohira, M.I. 414 (2005) 389
Mahato, K.K., see Rai, A. 414 (2005) 222
Maiti, B., see Morales, J.A. 414 (2005) 405
Malykhin, S., I. Zilberberg and G.M. Zhidomirov, Electron structure of oxygen complexes of ferrous ion center 414 (2005) 434
Maron, L., see Raynaud, C. 414 (2005) 161
Maroudas, D., see Bakos, T. 414 (2005) 61
Martyna, G.J., see Whitfield, T.W. 414 (2005) 210
Maruyama, Y., see Iijima, M. 414 (2005) 520
Matveets, Yu.A., see Apatin, V.M. 414 (2005) 76
McLamarrah, S.K., P.M. Sheridan and L.M. Ziurys, The pure rotational spectrum of CoO($X^4\Delta_i$): Identifying the high-spin components 414 (2005) 301
Micozzi, A., see Pizzoferrato, R. 414 (2005) 234
Mikkelsen, A., see Gladys, M.J. 414 (2005) 311
Mishima, K., see Nagaya, K. 414 (2005) 438
Mohanty, A., see Roy, S. 414 (2005) 23
Monari, A., see Bendazzoli, G.L. 414 (2005) 51

Morales, J.A., B. Maiti, Y. Yan, K. Tsereteli, J. Laraque, S. Addepalli and C. Myers, Coherent-states dynamics of the $H^+ + C_2H_2$ reaction at $E_{Lab} = 30$ eV: A complete electron nuclear dynamics investigation 414 (2005) 405
Morawski, O., see Banasiewicz, M. 414 (2005) 374
Mukai, S., see Kohira, M.I. 414 (2005) 389
Mukherjee, T., see Dahiya, P. 414 (2005) 148
Mulvaney, P., see Csik, I. 414 (2005) 322
Muramatsu, H., T. Hayashi, Y.A. Kim, D. Shimamoto, Y.J. Kim, K. Tantrakarn, M. Endo, M. Terrones and M.S. Dresselhaus, Pore structure and oxidation stability of double-walled carbon nanotube-derived bucky paper 414 (2005) 444
Mvula, E.N., see Archibong, E.F. 414 (2005) 341
Myers, C., see Morales, J.A. 414 (2005) 405

Nagase, S., see Song, W. 414 (2005) 429
Nagaya, K., K. Mishima, M. Hayashi and S.H. Lin, Distortion effects of the initial electronic states on tunneling photo-ionization of hydrogen atom 414 (2005) 438
Nagy, Á., see Ripszám, M. 414 (2005) 384
Nakano, H., see Furukawa, Y. 414 (2005) 117
Nakatsuji, H., see Fujimoto, K. 414 (2005) 239
Nandi, N., see Thirumoorthy, K. 414 (2005) 336
Neal, T.D., see Okamoto, K. 414 (2005) 155
Ni, M., see Song, W. 414 (2005) 429
Nielsen, N.C., see Kehlet, C. 414 (2005) 204
Nishi, T., K. Kanai, Y. Ouchi, M.R. Willis and K. Seki, Evidence for the atmospheric *p*-type doping of titanyl phthalocyanine thin film by oxygen observed as the change of interfacial electronic structure 414 (2005) 479
Nonnenberg, C., see Lupton, E.M. 414 (2005) 132
Nunes, C.M., see Fonseca, S.M. 414 (2005) 98

Ohno, K., see Maeda, S. 414 (2005) 265
Okamoto, H., see Kuwahara, D. 414 (2005) 514
Okamoto, K., T.D. Neal, Z. Zhang, D.T. Wei and A. Scherer, Molecular dynamics study of photochromic molecules probed by the mask pattern transferred transient grating technique 414 (2005) 155
Okamoto, Y., see Kawashima, Y. 414 (2005) 449
Oliva, C., see Pizzoferrato, R. 414 (2005) 234
Oregioni, A., T.R. Eykyn, N. Hosny, G.S. Payne and M.O. Leach, Adiabatic half-passage pulses for measuring the polarization of highly non-equilibrium spin-systems 414 (2005) 102
Ouchi, Y., see Nishi, T. 414 (2005) 479
Owen, J.H.G., see Leigh, D.F. 414 (2005) 307
Ozaki, Y., see Konno, T. 414 (2005) 331

Paci, J.T., T. Belytschko and G.C. Schatz, The mechanical properties of single-crystal and ultrananocrystalline diamond: A theoretical study 414 (2005) 351
Pal, H., see Dahiya, P. 414 (2005) 148
Park, B.J., J.H. Sung, I.S. Lee and H.J. Choi, Comment on 'Giant electrorheological activity of high surface area mesoporous cerium-doped TiO_2 templated by block copolymer' 414 (2005) 525
Patnaik, A., see Gayathri, S.S. 414 (2005) 198
Payne, G.S., see Oregioni, A. 414 (2005) 102
Pelegrini, M., O. Roberto-Neto and F.B.C. Machado, Coupled-cluster study of the rotational and inversion barrier heights, equilibrium geometries and vibrational frequencies of methylamine 414 (2005) 495
Pérez-Bernal, F., L.F. Santos, P.H. Vaccaro and F. Iachello, Spectroscopic signatures of nonrigidity: Algebraic analyses of infrared and Raman transitions in nonrigid species 414 (2005) 398
Petrella, G., see Kosarim, A.V. 414 (2005) 215
Petruccetti, M., see Caracciolo, G. 414 (2005) 456
Pettifor, D.G., see Leigh, D.F. 414 (2005) 307
Philip, R., see Karthikeyan, B. 414 (2005) 346
Pinho e Melo, T.M.V.D., see Fonseca, S.M. 414 (2005) 98

Pizzoferrato, R., T. Ziller, A. Micozzi, A. Ricci, C.L. Sterzo, A. Ustione, C. Oliva and A. Cricenti, Suppression of the excimer photoluminescence in a poly(arylene–ethynylene) *co*-polymer 414 (2005) 234
Podeszwa, R., see Bukowski, R. 414 (2005) 111
Polyansky, O.L., see Zobov, N.F. 414 (2005) 193
Porfyrakis, K., see Leigh, D.F. 414 (2005) 307

Qian, P., see Timpmann, K. 414 (2005) 359

Rai, A., S.B. Rai and K.K. Mahato, Frequency upconversion involving quartets of ions in a Pr^{3+}/Eu^{3+} oxyfluoroborate glass 414 (2005) 222
Rai, S.B., see Rai, A. 414 (2005) 222
Ramírez-Solís, A., see Raynaud, C. 414 (2005) 161
Ray, P.C., A. Fortner, J. Griffin, C.K. Kim, J.P. Singh and H. Yu, Laser-induced fluorescence quenching of tagged oligonucleotide probes by gold nanoparticles 414 (2005) 259
Raynaud, C., L. Maron, F. Jolibois, J.-P. Daudey, P.M. Esteves and A. Ramírez-Solís, Ab initio molecular dynamics: Plane waves vs. local basis. The role of energy cutoff on the convergence of molecular properties 414 (2005) 161
Ren, Y., Q. Xin, X.-T. Tao, L. Wang, X.-Q. Yu, J.-X. Yang and M.-H. Jiang, Novel multi-branched organic compounds with enhanced two-photon absorption benefiting from the strong electronic coupling 414 (2005) 253
Renth, F., see Riedel, J. 414 (2005) 473
Ricci, A., see Pizzoferrato, R. 414 (2005) 234
Riedel, J., S. Dziarzhytski, A. Kuczmann, F. Renth and F. Temps, Velocity map ion imaging of H atoms from the dissociation of HCO ($\tilde{A}\,^2A''$) using Doppler-free multi-photon ionization 414 (2005) 473
Rinker, A., C.D. Halleman and M.R. Wedlock, Photodissociation dynamics of dimethyl disulfide 414 (2005) 505
Ripszám, M., Á. Nagy, A. Volford, F. Izsák and I. Lagzi, The *Liesegang eyes* phenomenon 414 (2005) 384
Rizopoulos, A., see Herman, M. 414 (2005) 282
Rizzo, A., see Jansík, B. 414 (2005) 461
Roberto-Neto, O., see Pelegrini, M. 414 (2005) 495
Rocha Gonsalves, A.M.d'A., see Fonseca, S.M. 414 (2005) 98
Romera, E., P. Sánchez-Moreno and J.S. Dehesa, The Fisher information of single-particle systems with a central potential 414 (2005) 468
Roszol, L., see Kály-Kullai, K. 414 (2005) 326
Roy, S., A. Mohanty and J. Dey, Microviscosity of bilayer membranes of some *N*-acylamino acid surfactants determined by fluorescence probe method 414 (2005) 23
Rui, M., see Bendazzoli, G.L. 414 (2005) 51
Russo, S.P., see Csik, I. 414 (2005) 322
Ryabov, E.A., see Apatin, V.M. 414 (2005) 76

Sakurai, M., see Arai, S. 414 (2005) 230
Sanchez, R., W. Caminati, J.C. López and J.L. Alonso, The rotational spectra of conformers of biomolecules: Tryptophol 414 (2005) 226
Sánchez-Moreno, P., see Romera, E. 414 (2005) 468
Sangaranarayanan, M.V., see Arun Prasad, M. 414 (2005) 55
Santamaría, R. and J. Soullard, The atomization process of endohedrally confined hydrogen molecules 414 (2005) 483
Santos, L.F., see Pérez-Bernal, F. 414 (2005) 398
Sathyamurthy, N., see Tiwari, A.K. 414 (2005) 509
Saxena, S., see Becker, J.S. 414 (2005) 248
Schatz, G.C., see Paci, J.T. 414 (2005) 351
Scheblykin, I.G., see Hania, P.R. 414 (2005) 127
Scherbak, N., Å. Strid and L.A. Eriksson, Non-enzymatic oxidation of NADH by quinones 414 (2005) 243
Scherer, A., see Okamoto, K. 414 (2005) 155
Schmuki, P., see Wloka, J. 414 (2005) 47
Sekhon, S.S., see Singh, B. 414 (2005) 34
Seki, K., see Nishi, T. 414 (2005) 479
Sharon, M., see Afre, R.A. 414 (2005) 6
Sheridan, P.M., see McLamarrah, S.K. 414 (2005) 301

Shibuya, K., see Kawai, A. 414 (2005) 378
Shimamoto, D., see Muramatsu, H. 414 (2005) 444
Shiozawa, M., see Arai, S. 414 (2005) 230
Shirin, S.V., see Zobov, N.F. 414 (2005) 193
Shukla, M.K. and J. Leszczynski, Remarkable effect of base pairing on the geometry of guanine under electronic excitation: A theoretical investigation 414 (2005) 92
Singh, B. and S.S. Sekhon, Ion conducting behaviour of polymer electrolytes containing ionic liquids 414 (2005) 34
Singh, J.P., see Ray, P.C. 414 (2005) 259
Smirnov, B.M., see Kosarim, A.V. 414 (2005) 215
Soga, T., see Afre, R.A. 414 (2005) 6
Song, W., M. Ni, J. Lu, Z. Gao, S. Nagase, D. Yu, H. Ye and X. Zhang, Electronic structures of semiconducting double-walled carbon nanotubes: Important effect of interlay interaction 414 (2005) 429
Song, Y., see Xu, H. 414 (2005) 369
Soullard, J., see Santamaría, R. 414 (2005) 483
Sterzo, C.L., see Pizzoferrato, R. 414 (2005) 234
Strid, Å., see Scherbak, N. 414 (2005) 243
Sugita, Y., see Kawashima, Y. 414 (2005) 449
Sumiyoshi, Y., K. Katoh and Y. Endo, Rotational spectra of the CCCCCl radical 414 (2005) 82
Sun, T., see Zhang, Q. 414 (2005) 316
Sun, Z., see Yuan, K.-J. 414 (2005) 180
Sung, J.H., see Park, B.J. 414 (2005) 525
Suzuki, K., see Iijima, M. 414 (2005) 520
Szalewicz, K., see Bukowski, R. 414 (2005) 111

Tan, M., see Liao, B. 414 (2005) 296
Tantrakarn, K., see Muramatsu, H. 414 (2005) 444
Tao, X.-T., see Ren, Y. 414 (2005) 253
Temps, F., see Riedel, J. 414 (2005) 473
Tennyson, J., see Zobov, N.F. 414 (2005) 193
Terrones, M., see Muramatsu, H. 414 (2005) 444
Thirumoorthy, K. and N. Nandi, The correlation between the molecular chirality of the sugar ring on the mesoscopic aggregate morphology in RNA and DNA mimetic systems 414 (2005) 336
Thomas, J., see Karthikeyan, B. 414 (2005) 346
Timpmann, K., G. Trinkunas, P. Qian, C.N. Hunter and A. Freiberg, Excitons in core LH1 antenna complexes of photosynthetic bacteria: Evidence for strong resonant coupling and off-diagonal disorder 414 (2005) 359
Ting, J.-H., see Li, T.-L. 414 (2005) 292
Tiwari, A.K. and N. Sathyamurthy, Preferential scattering of one isotopomer over another in (He, HD^+) collisions 414 (2005) 509
Togashi, M., see Arai, S. 414 (2005) 230
Tommasini, M., E. Di Donato, C. Castiglioni and G. Zerbi, Relaxing the graphite lattice along critical directions: The effect of the electron–phonon coupling on the π electron band structure 414 (2005) 166
Torii, H., Time-domain calculations of the polarized Raman and two-dimensional infrared spectra of liquid *N*,*N*-dimethylformamide 414 (2005) 417
Trava-Airoldi, V.J., see Diniz, A.V. 414 (2005) 412
Trinkunas, G., see Timpmann, K. 414 (2005) 359
Tsereteli, K., see Morales, J.A. 414 (2005) 405
Tzeng, W.B., see Huang, J. 414 (2005) 276

Ustione, A., see Pizzoferrato, R. 414 (2005) 234

Vaccaro, P.H., see Pérez-Bernal, F. 414 (2005) 398
Valipa, M., see Bakos, T. 414 (2005) 61
van Mourik, T., On the relative stability of two noradrenaline conformers 414 (2005) 364
Vijila, C., B. Balakrisnan, C. Huang, Z.-K. Chen, C.-G. Zhen, M.D.J. Auch and S.J. Chua, A study of charge mobility characteristics in a series of biphenylyl substituted PPV derivatives 414 (2005) 393
Volford, A., see Kály-Kullai, K. 414 (2005) 326

Volford, A., see Ripszám, M. 414 (2005) 384
Vosegaard, T., see Kehlet, C. 414 (2005) 204

Wang, G., see Ma, L. 414 (2005) 500
Wang, J., see Ma, L. 414 (2005) 500
Wang, L., see Ren, Y. 414 (2005) 253
Wang, S.-M., see Yuan, K.-J. 414 (2005) 180
Wang, W., see Zhang, Q. 414 (2005) 316
Wang, Y., see Xu, H. 414 (2005) 369
Wang, Y.-C., see Fang, R. 414 (2005) 174
Watabe, T., see Iijima, M. 414 (2005) 520
Watanabe, Y., see Maeda, S. 414 (2005) 265
Wedlock, M.R., see Rinker, A. 414 (2005) 505
Wei, D.T., see Okamoto, K. 414 (2005) 155
Weis, J., see Lupton, E.M. 414 (2005) 132
Whitfield, T.W., G.J. Martyna, S. Allison, S.P. Bates and J. Crain, Liquid NMA: A surprisingly realistic model for hydrogen bonding motifs in proteins 414 (2005) 210
Wiącek, D., see Banasiewicz, M. 414 (2005) 374
Willis, M.R., see Nishi, T. 414 (2005) 479
Wloka, J., D.J. Lockwood and P. Schmuki, High intensity and oscillatory electroluminescence observed during porous etching of GaP in HBr and HF electrolytes 414 (2005) 47
Wodtke, A.M., H. Yuhui and D.J. Auerbach, Observation of orientational influences on vibrational energy transfer at metal surfaces: Rotational cooling associated with vibrational relaxation at a metal surface 414 (2005) 138
Wu, S., see Zhao, L. 414 (2005) 28

Xin, Q., see Ren, Y. 414 (2005) 253
Xu, G.Q., see Huang, H.G. 414 (2005) 143
Xu, H., Y. Wang, G. Yu, W. Xu, Y. Song, D. Zhang, Y. Liu and D. Zhu, Organic field-effect transistors based on Langmuir-Blodgett films of an extended porphyrin analogue – Cyclo[6]pyrrole 414 (2005) 369
Xu, W., see Xu, H. 414 (2005) 369

Yamaguchi, T., see Iijima, M. 414 (2005) 520
Yamanouchi, K., see Furukawa, Y. 414 (2005) 117
Yamazaki, Y., see Kuwahara, D. 414 (2005) 514
Yan, Y., see Morales, J.A. 414 (2005) 405
Yang, J.-X., see Ren, Y. 414 (2005) 253
Yang, L.-Z., see Fang, R. 414 (2005) 174
Ye, H., see Song, W. 414 (2005) 429
Yin, J.B. and X.P. Zhao, Reply to comment on 'Gaint electrorheological activity of high surface area mesoporous cerium-doped TiO_2 templated by block copolymer' 414 (2005) 527
Yoda, T., see Kawashima, Y. 414 (2005) 449
Yoshikawa, K., see Kohira, M.I. 414 (2005) 389
Yu, D., see Song, W. 414 (2005) 429
Yu, G., see Xu, H. 414 (2005) 369
Yu, H., see Ray, P.C. 414 (2005) 259
Yu, X.-Q., see Ren, Y. 414 (2005) 253
Yuan, K.-J., Z. Sun, S.-M. Wang and S.-L. Cong, On using Fourier series and Legendre polynomials as angular basis sets for nonrotating triatomic molecules 414 (2005) 180
Yuhui, H., see Wodtke, A.M. 414 (2005) 138

Zerbi, G., see Tommasini, M. 414 (2005) 166
Zhang, D., see Xu, H. 414 (2005) 369
Zhang, Q., T. Sun, X. Zhou and W. Wang, Rate parameters and branching ratios for the multiple-channel reaction of dimethyl sulfide DMS with atomic H 414 (2005) 316
Zhang, R., see Zhao, L. 414 (2005) 28
Zhang, X., see Song, W. 414 (2005) 429

Zhang, X.-H., see Fang, R. 414 (2005) 174
Zhang, Z., see Okamoto, K. 414 (2005) 155
Zhao, C.-Y., see Fang, R. 414 (2005) 174
Zhao, J., see Ma, L. 414 (2005) 500
Zhao, L., R. Zhang, W. Guo, S. Wu and X. Lu, Does the Co^+-assisted decarbonylation of acetaldehyde occur via C–C or C–H activation? A theoretical investigation using density functional theory 414 (2005) 28
Zhao, X.P., see Yin, J.B. 414 (2005) 527
Zhen, C.-G., see Vijila, C. 414 (2005) 393
Zhidomirov, G.M., see Malykhin, S. 414 (2005) 434
Zhou, X., see Zhang, Q. 414 (2005) 316
Zhu, D., see Xu, H. 414 (2005) 369
Zilberberg, I., see Malykhin, S. 414 (2005) 434
Ziller, T., see Pizzoferrato, R. 414 (2005) 234
Ziurys, L.M., see McLamarrah, S.K. 414 (2005) 301
Zobov, N.F., S.V. Shirin, O.L. Polyansky, J. Tennyson, P.-F. Coheur, P.F. Bernath, M. Carleer and R. Colin, Monodromy in the water molecule 414 (2005) 193